

METHODS AND APPARATUS TO SECURE A GROUND STRAP ASSEMBLY TO AN ELECTRICALLY CONDUCTIVE MEMBER

CROSS-REFERENCE TO RELATED APPLICATION

LSB
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[0001] This application is a continuation-in-part of Application Number 10/365,293, filed on February 12, 2003. ^{now} U.S. Pat. NO. 6,727,430

FIELD OF THE INVENTION

[0002] This disclosure relates generally to electrical grounding, and, more particularly, to methods and apparatus to secure a ground wire to an electrically conductive structure.

BACKGROUND OF THE INVENTION

[0003] It is known to use prior art ground strap assemblies to secure a ground wire to an electrically conductive structure, such as a plumbing pipe, a mast, etc. Such prior art strap assemblies typically include a bendable ground strap defining a plurality of bores, a fastener that can be passed through two of the bores in the bendable ground strap and secured thereto via a threaded member, and a ground nut which secures a ground wire in electrically conductive contact with the bendable strap. To secure the prior art ground strap assemblies to an electrically conductive structure, the fastener and ground nut are typically removed, and the bendable ground strap is wrapped around the electrically conductive structure such that it overlays itself in the location where the fastener is to secure the ground nut and the ground wire to the bendable ground strap. Specifically, two of the bores defined in the bendable strap are brought into registration and the fastener is passed through the aligned bores and threaded into the threaded member. Thus, prior art ground strap assemblies typically require removal of a fastener from a bendable strap and, after which the